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--The apparatus according to the present invention is particularly suitable for use in airports where the apparatus is preferably arranged at ground level and whereby the apparatus includes means for recording the measured results of the thickness or mass of the ice deposited on the surface elements, and means for visually or audibly emitting a signal regarding the measurement results to the monitoring personnel of the airport.

#### BRIEF DESCRIPTION OF THE DRAWINGS--

Page 9, replace the paragraph starting at line 31 and ending on page 10, line 5 with the following paragraph. A version of this paragraph showing the changes made thereto is attached.

#### --DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

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Figure 1 shows the constructive principles of an apparatus according to the invention, the apparatus including a housing or a frame 1 in which a shaft or a rotor 2 is arranged that supports two diametrically opposed surface elements 3 having predetermined surface areas 3a, the rotor and elements being rotated by a drive unit 4 in the direction of the arrow A. The rotor with one or more surface elements is also referred to as the rotor element.--

#### IN THE CLAIMS:

Amend claim 18 and 22. A version of these claims showing the changes made thereto is attached.

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18. (Twice Amended) An apparatus according to claim 17, including a system of surface elements mounted on a rotatable shaft configured for